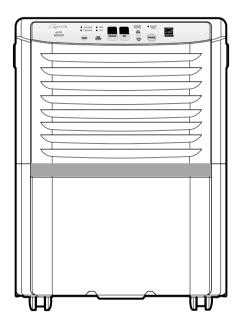
HEAT CONTROLLER, INC.

Comfort-Cire

Dehumidifier

MODELS: BHD-301-D BHD-501-D BHD-651-D





CAUTION

-Before servicing the unit, read the "safety precautions" in this manual.

-Only for authorized service personnel.

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1. PREFACE

This Service Manual provides various service information, including the mechanical and electrical parts. This dehumidifier was manufactured and assembled under the strict quality control procedures. The refrigerant is charged at the factory. Be sure to read the safety precaution prior to servicing the unit.

1.1 SAFETY PRECAUTIONS

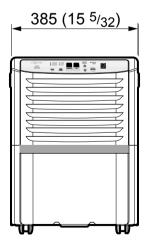
- Disconnect the power supply before servicing or replacing any component.
- Do not cut off the grounding prong or alter the plug in any manner.

1.2 FEATURES AND DIMENSIONS

1.2.1 FEATURES

- Quiet operation
- High efficiency
- Adjustable humidistat
- Automatic defrost
- Automatic shut-off
- Bucket-full indicator light
- · Easy roll casters
- Removable & large capacity bucket.
- Washable air filter
- Two-speed fan
- Drain hose connection.
- Low temperature operation (BHD-501-D/BHD-651-D)

1.2.2 DIMENSIONS (mm/in)



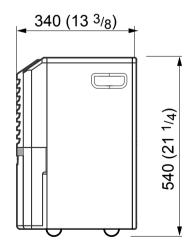


Figure 1

—3—

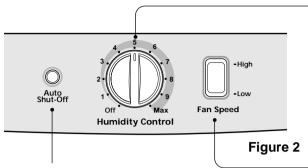
1.3 SPECIFICATIONS

	MODELS	BHD-301-D	BHD-501-D	BHD-651-D	
ITEMS					
CAPACITY(Pints/24hrs)		30	50	65	
POWER SUPPLY(Phase,V,Hz	Z)		1Ø, 115V,60Hz		
INPUT(W)		490	615	710	
RUNNING CURRENT(A)		4.8	5.9	7.0	
ENERGY FACTOR(L/kw.h)		1.2	1.6	1.80	
REFRIGERANT			R22		
REFRIGERANT CHARGE, oz	(g)	5.29(150)	7.23(205)	8.82(250)	
THERMISTOR	OPEN	33.8°F(1±0.5°C)			
	CLOSE		50°F(10±0.5°C)		
SOLENOID VALVE			Using Temp/Humid.:-4~122°F(-20~50°C)/95%RH ↓		
			Rating:7	W/90mA	
COMPRESSOR MODEL No. SD063SW		SD063SW	YZG-A17D2T2	QA114CBG	
PROTECTOR		OVERLOAD	OVERLOAD PROTECTOR FOR COMPRESSOR		
		INTERNAL	PROTECTOR(FUSE)FC	OR MOTOR	
CAPACITOR		35µF,270VAC	40µF,270VAC	35µF,270VAC	
MOTOR ASSEMBLY, SINGLE		Shaded pole motor,72W/1.4A,Thermal cutoff:266°FV/130°C	Inductive motor, Thermal protect	Inductive motor, Thermal protect	
SWITCH ASSEMBLY, MICRO	11CRO 15A/250VAC				
OUTSIDED MENSIONS WxH	xD,mm(in)	385X540X340(15 5/32 x 21 1/4 x 13 3/8)		(13 3/8)	
NET WEIGHT,kg(lbs) 20.1(44.3) 20.4(44.9) 22.2(48.9)		22.2(48.9)			

*NOTE: Specifications are subject to minor change without notice for further improvement.

1.4 CONTROL TYPE

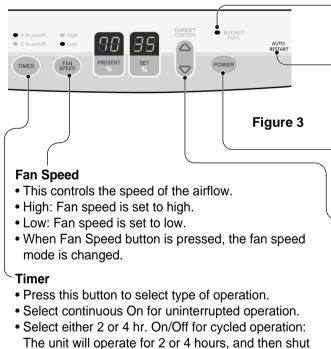
1.4.1 Mechanical type



Auto Shut-Off

- This light glows when the bucket is full, or when the bucket is removed or not placed in the proper position. In these cases the Water Level Control Switch shuts off the dehumidifier.
- When the light glows, check the bucket condition.

1.4.2 Electronic type



- off completely for 2 or 4 hours. The cycle repeats until you change the setting.
- When Timer button is pressed, the Timer indicator lights shift as follow from 2hr.On/Off to 4hr.On/Off.

Humidity Control

- When you first use the dehumidifier, turn the humidity control to 5 or 6. If you still have moisture, turn the humidity control to a higher setting.
 MAX is the highest setting.
- When excess moisture and dampness odors are gone, adjust the control to a lower setting. Use the dehumidifier as long as excess moisture is present.

Fan Speed

• The fan control adjusts the fan speed. Set the fan control to **HIGH** for maximum moisture removal. When the humidity has been reduced and quiet operation is preferred, set the fan control to **LOW**.

Bucket Full Indicator

• This light glows when the water bucket is full and needs to be emptied.

Auto Restart

• Once power is restored after a power outage, the unit returns to its previous operation setting after a 2 minute delay.

The fan runs immediately when the power is restored.

Power

• Operation starts when this button is pressed and stops when the button is pressed again.

- Humidity Control

- This button controls the humidity in the room.
- Press button to raise the humidity setting.
- Press 🗢 button to lower the humidity setting.
- The humidity setting can be set to a permanent "On" setting or to a specific humidity setting between 35% and 70% in 5% increments.
- "On" setting: Dehumidifier runs continuously regardless of humidity condition.
- 35% 70% setting: Dehumidifier runs on and off according to surrounding humidity conditions.

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1.5 HOW TO OPERATE DEHUMIDIFIER

1.5.1 HOW DOES THE DEHUMIDIFIER WORK?

Moist, humid air is drawn over a cold refrigerated dehumidifying coil. Moisture in the air condenses on this coil and drains into a bucket (or through the bucket into a hose and drain).

Dry, clean air is drawn over the condenser where it is actually heated several degrees and discharged out the rear grill into the room. (See Figure 4)

■ It is normal for the surrounding air to become slightly warmer as the dehumidifier operates.

This warming effect further reduces the relative humidity of the surrounding air.

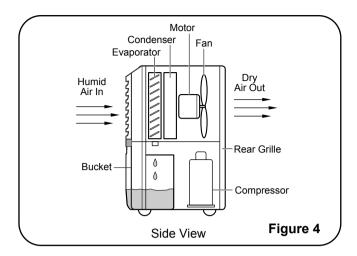
1.5.2 LOCATION FOR THE DEHUMIDIFIER

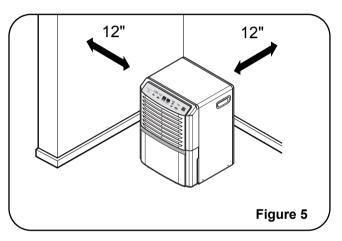
Allow at least 12 inches of space on all sides of the unit for good air circulation. (See Figure 5)

- The dehumidifier must be operated in an enclosed area to be most effective.
- Close all doors, windows and other outside openings to the room.

Place the dehumidifier in a location that does not restrict air flow into the front grille or out the rear grille.

The operation of dehumidifier in a basement will have little or no effect in drying an adjacent enclosed storage area, such as a closet, unless there is adequate circulation of air in and out of the area.





1.5.3 MICRO SWITCH

The micro switch assembly, which is located on the drain pan of inside unit, automatically shuts off the dehumidifier when the bucket is full (note, the Auto Shut Off lights, to indicate bucket must be emptied). The bucket replaces in its place, the unit again turns itself on.

1.5.4 AUTO DEFROST

When frost builds up on the cooling coils, the unit will automatically cycle off until the frost disappears. The fan continues to run.

- NOTE: The unit will not operate satisfactorily if the room temperature is below 65°F(18°C). If the dehumidifier is operated in low temperature conditions frost can form in the evaporator coil and the unit will cycle ON/OFF repeatedly. In this case, please check your room temperature conditions and stop the unit.
- NOTE: The low temperature operation feature in the BHD-501-D and BHD-651-D models will continuously cycle up to a temperature of 42°F(6°C).

1.5.5 HUMIDITY CONTROLLER

1.5.5.1 Mechanical Type

The humidity control can be set anywhere between Off and Max for normal operation.

If you need more dehumidification, turn the Humidity Control toward Max. If you need less dehumidification, turn the Humidity Control toward Off.

The relative humidity range is from 20% to 80%. (See Figure 6)

Turn the Humidity Control to Off to stop the unit manually.

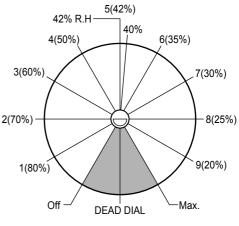


Figure 6

1.5.5.2 Electronic Type

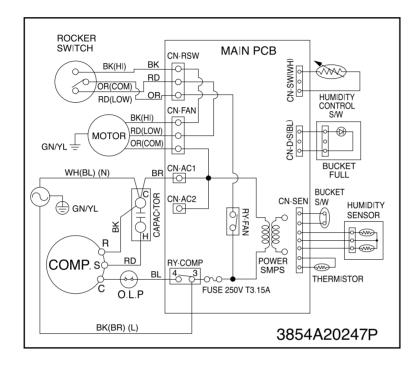
The humidity control can be set 'on' or 35%-70% RH(Relative Humidity) for normal operation. (See Figure 7) If you need drier air, press the \bigtriangledown Humidity Control button. If you need moister air, press the \bigtriangleup Humidity Control button.

Press the Power button to stop the unit manually.



2. CIRCUIT DIAGRAM

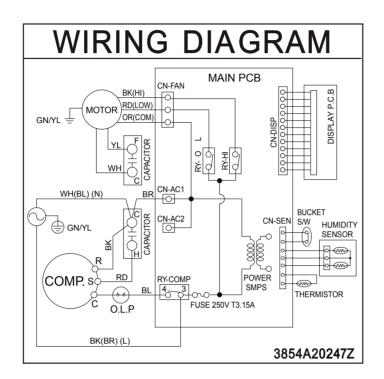
• MODEL : BHD-301-D



NO.	DESCRIPTION	PART NO.	Q'TY PER SET	RE- MARKS
NO.		BHD-301-D		
1	POWER CORD ASSEMBLY	6411A20001Z	1	S
2	SWITCH, ROCKER	6600FX5001G	1	S
3	MOTOR ASSEMBLY	4681A20040Q	1	S
4	CAPACITOR	0CZZA20005J	1	S
5	COMPRESSOR, SET	TBZ31986001	1	S
6	OLP	EAF35787201	1	S
7	PWB(PCB) ASSEMBLY, DISPLAY	6871A20289B	1	S
8	SENSOR ASSEMBLY	6877A30013R	1	S
9	SWITCH ASSEMBLY, ROTARY	6601A30006A	1	S
10	SWITCH ASSEMBLY, MICRO	6600A30003C	1	S
11	PWB(PCB) ASSEMBLY, MAIN	EBR39204301	1	S

* S: SERVICE PARTS A: ALTERNATE PARTS N: NOT SERVICE PARTS

• MODEL : BHD-501-D/BHD-651-D



NO.	DESCRIPTION	PART NO.		Q'TY	RE-
NU.		BHD-501-D	BHD-651-D	PER SET	MARKS
1	POWER CORD ASSEMBLY	6411A	20001Z	1	S
2	MOTOR ASSEMBLY	EAU32357501	EAU32357504	1	S
3	CAPACITOR	0CZZA20005N 0CZZA20005J		1	S
4	CAPACITOR	3H00660V		1	S
5	COMPRESSOR, SET	TBZ32067202	TBZ30951701	1	S
6	OLP.	EAF43158802	6750U-L048A	1	S
7	PWB(PCB) ASSEMBLY, DISPLAY	6871A20600B		1	S
8	SENSOR ASSEMBLY	6877A30013R		1	S
9	SWITCH ASSEMBLY, MICRO	6600A30003C		1	S
10	PWB(PCB) ASSEMBLY, MAIN	EBR36909301	EBR36909303	1	S

* S: SERVICE PARTS A: ALTERNATE PARTS N: NOT SERVICE PARTS

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3. DISASSEMBLY INSTRUCTIONS

3.1 MECHANICAL PARTS

3.1.1 BUCKET AND AIR FILTER

- 1. Turn the Humidity Control off(Mechanical type) or press the power button off. (Electronic type)
- 2. Disconnect the power supply.
- 3. Remove the bucket. (See Figure 9)
- 4. Pull out the air filter. (See Figure 10)

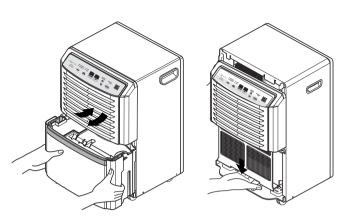


Figure 9

Figure 10

3.1.2 FRONT CASE AND REAR GRILLE

- 1. Remove 2 screws which fasten the front grille.
- 2. Pull the front grille forward and upward. (See Figure 11)
- 3. Remove 6 screws that secure the rear grille.
- 4. Remove the rear grille. (See Figure 12)

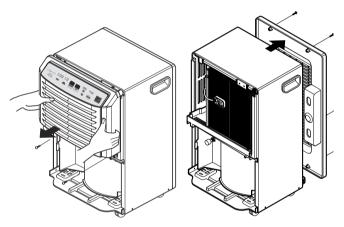


Figure 11

Figure 12



- 1. Remove the Bucket, the Air filter and Front grille according to the procedure above.
- 2. Remove 1 screws that fasten Control box. (See Figure 13)
- 3. Remove 9 screws on all sides of the cabinet.
- 4. Lift the Cabinet from the base. (See Figure 13)
- 5. Remove a screw fasten the earth wire on the inside of control box.
- Remove 1 screw that fasten control box and unhook control box from hook on the shroud. (See Figure 14)

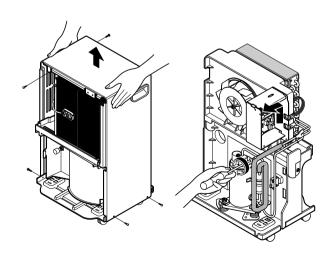


Figure 13

3.2 CONTROL PARTS

3.2.1 POWER CORD ASSEMBLY

- 1. After opening the control box, remove the screw that holds the ground wire. (See Figure 15)
- 2. Disconnect the remaining leads of the power cord from the PWB(PCB) ASSEMBLY, MAIN, then remove it from the control box.

3.2.2 SENSOR ASSEMBLY

- 1. Disconnect the sensor assembly from the PWB(PCB) ASSEMBLY, MAIN.
- 2. Remove the screw which fastens the humidity sensor. (See Figure 16)
- 3. Remove the thermistor from the holder. (See Figure 16)
- 4. Disconnect the switch wires from the micro switch assembly. (See Figure 16)

3.2.3 PWB(PCB) ASSEMBLY, MAIN

- 1. Disconnect all leads of the motor and the compressor from PWB(PCB) ASSEMBLY, MAIN.
- 2. Remove the screw which fastens the PWB(PCB) ASSEMBLY, MAIN and pull it out after unhooking from 2 rectangular holes of the control box (lower). (See Figure 17)

3.2.4 CAPACITOR

- 1. Remove the screw that fastens the capacitor. (See Figure 17)
- 2. Disconnect all leads from the capacitor and then remove it from control box.

3.2.5 MICRO SWITCH ASSEMBLY

1. Turn the nut counterclockwise and pull out the micro switch from the drain pan. (See Figure 18)

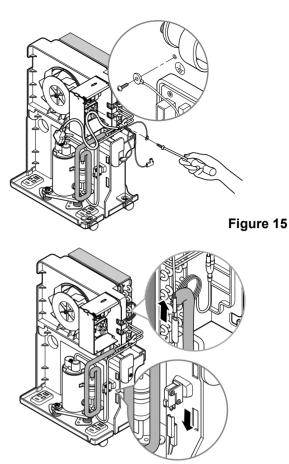


Figure 16

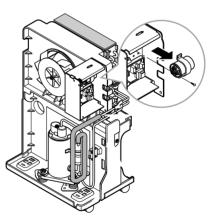
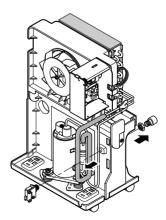


Figure 17



3.2.6 CONTROL PANEL

- 3.2.6.1 CONTROL PANEL Mechanical Type (BHD-301-D)
- 1. Disconnect housing and all leads of the rocker switch, SWITCH ASSEMBLY, ROTARY and PWB(PCB) ASSEMBLY, DISPLAY from PWB(PCB) ASSEMBLY, MAIN (3.1.3)
- 2. Pull out the knob assembly.
- 3. Remove the nut which fastens the SWITCH ASSEMBLY, ROTARY.
- 4. Remove the knob of the rotary switch by pulling it upward.
- 5. Pull out the rocker switch by pushing the hooks on the both sides of rocker switch.
- 6. Pull out the PWB(PCB) ASSEMBLY, DISPLAY after turning over both hooks of the display cover.



- 1. Disconnect the housing of the PWB(PCB) ASSEMBLY, DISPLAY from PWB(PCB) ASSEMBLY, MAIN (3.1.3).
- 2. Remove 6 screws that secure the PWB(PCB) ASSEMBLY, DISPLAY to the display cover.

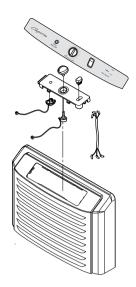
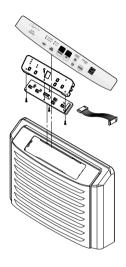


Figure 19

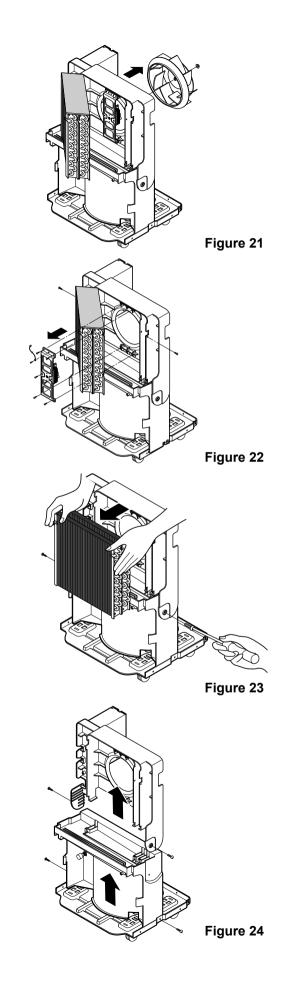


3.2.7 FAN AND MOTOR

- 1. Turn the nut left and full out the Fan by hands carefully.
- 2. Remove 2 screws that fasten Heat Exchange.
- 3. Lift the H/E and open the H/E around 45 degree clockwise carefully. (See Figure 21)
- 4. Unfasten 3 screws that secure the Motor and earth wire. (See Figure 22)
- 5. Remove the Motor.

3.2.8 SHROUD AND DRAIN PAN

- 1. Discharge the refrigerant by using a refrigerant Recovery System.
- 2. After purging the unit completely, unbrace the Discharge and the Suction tube connected compressor carefully.
- 3. Remove 2 screws that fasten the H/E.
- Unfasten 2 screws that secure the shroud on the sides and then lift shroud from the drain pan. (See Figure 23)
- 5. Unfasten 2 screws that secure the drain pan to base pan. (See Figure 24)
- 6. Pull the drain pan backward then take it up from the base. (See Figure 24)



3.3 REFRIGERATING CYCLE

3.3.1 CONDENSER, EVAPORATOR AND CAPILLARY TUBE

- 1. Remove the insulation on the Heater/Evaporator (H/E) assembly
- 2. Pierce the pinch-off tube to discharge the refrigerant, using a refrigerant recovery system.
- 3. After discharging the refrigerant completely, remove 2 screws between the housing assembly and the H/E. (See Figure 25)
- 4. Lift the H/E and open the H/E around 45 degree counterclockwise carefully.
- 5. Unbraze each of interconnecting tubes of the evaporator and condenser carefully.
- 6. Remove the H/E assembly from the orifice. (See Figure 26)
- 7. Unbraze the capillary tube at the connections of the condenser and evaporator. (See Figure 27)
- 8. Remove 4 screws between the condenser and evaporator. (See Figure 27)

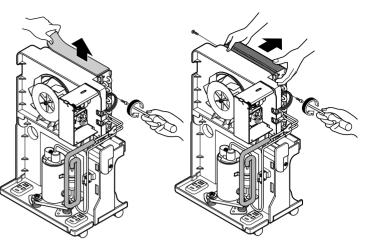
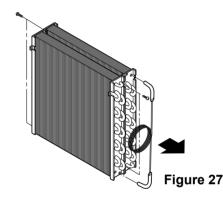


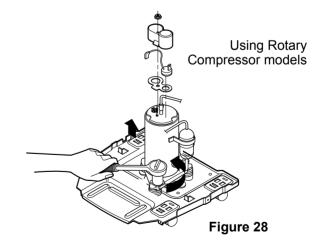
Figure 25

Figure 26



3.3.2 COMPRESSOR

- 1. Discharge the refrigerant by using a refrigerant Recovery System.
- 2. After purging the unit completely, unbraze the suction and discharge tubes at the compressor connections.
- 3. Remove the nuts and washers which fasten the compressor. (See Figure 28)
- 4. Remove the compressor. (See Figure 28)



3.4 HOW TO REPLACE THE REFRIGERATION SYSTEM

- 1. When replacing a refrigeration component, be sure to discharge the refrigerant system by using a refrigerant recovery system.
- 2. After discharging the unit completely, remove the desired component, and unbraze the pinch-off tubes.
- 3. Solder service valves into the pinch-off tube ports, leaving the valves open.
- 4. Solder the pinch-off tubes with service valves.
- 5. After doing the above procedures, the valve must be closed and left in place on the system for any subsequent procedures.
- 6. Evacuate as follows.
- 1) Connect the vacuum pump, as illustrated in Figure 30A.
- 2) Start the vacuum pump, slowly open manifold valves A and B two full turns counterclockwise and leave the valves open.

The vacuum pump is now pulling through valves A and B to valve C by means of the manifold and entire system.

CAUTION

If high vacuum equipment is used, just crack valves A and B for a few minutes, then open slowly with the two full turns counterclockwise. This will keep oil from foaming and being drawn into the vacuum pump.

- 3) Operate the vacuum pump for 20 to 30 minutes, until 600 microns of vacuum are obtained. Close valves A and B, and observe vacuum gauge for a few minutes. A rise in pressure would indicate a possible leak or moisture remaining in the system. With valves A and B closed, stop the vacuum pump.
- 4) Remove the hose from the vacuum pump and place it on the charging cylinder. See Figure 30B. Open valve C.

Discharge the line at the manifold connection.

5) The system is now ready for final charging.

- 7. Recharge as follows :
- 1) Refrigeration cycle systems are charged from the High-side. If the total charge cannot be put in the High-side, the balance will be put in the suction line through the access valve which you installed as the system was opened.
- 2) Connect the charging cylinder as shown in Figure 30B.

With valve C open, discharge the hose at the manifold connection.

- 3) Open valve A and allow the proper charge to enter the system. Valve B is still closed.
- 4) If more charge is required, the high-side will not take it. Close valve A.
- 5) With the unit running, open valve B and add the balance of the charge.
 - a. Do not add the liquid refrigerant to the Lowside.
 - b. Watch the Low-side gauge; allow pressure to rise to 30 lbs.
 - c. Turn off valve B and allow pressure to drop.
 - d. Repeat steps B and C until the balance of the charge is in the system.
- 6) When satisfied the unit is operating correctly, use the pinch-off tool with the unit still running and clamp on to the pinch-off tube. Using a tube cutter, cut the pinch-off tube about 2 inches from the pinch-off tool. Use sil-fos solder and solder pinch-off tube closed. Turn off the unit, allow it to set for a while, and then test the leakage of the pinch-off connection.

Equipment needed: Vacuum pump, charging cylinder, manifold gauge, brazing equipment. pinch-off tool capable of making a vapor-proof seal, leak detector, tubing cutter, hand tools to remove components, service valve.

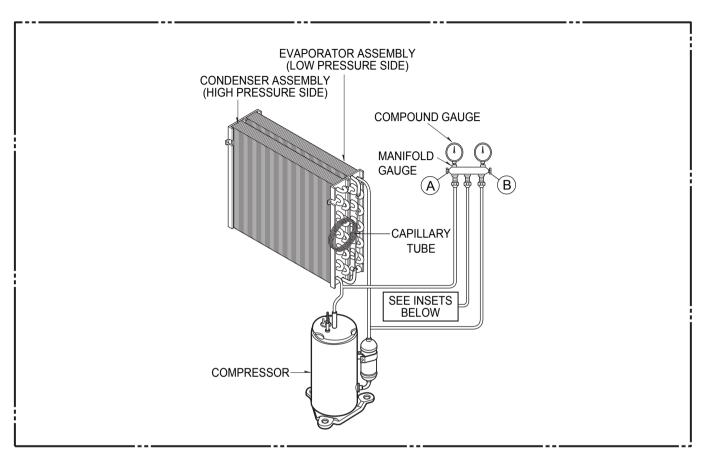


Figure 29

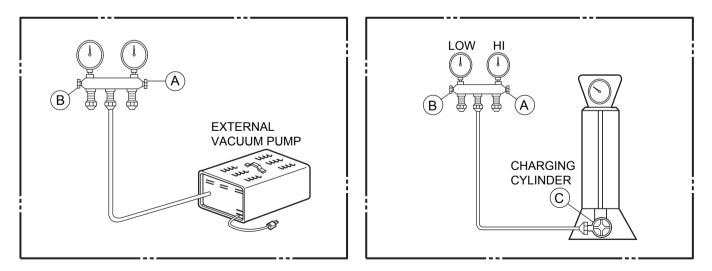


Figure 30A-Pulling Vacuum

Figure 30B-Charging

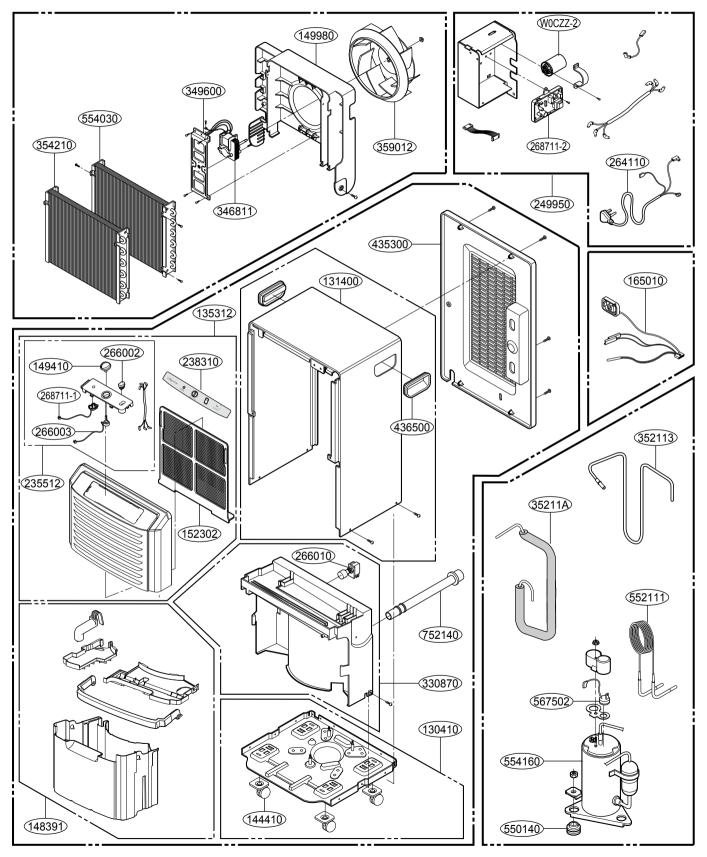
4. TROUBLESHOOTING GUIDE

CONDITION	CAUSE	REMEDY
 Dehumidifier does not start. (Both compressor and fan motor do not 	No power	Check power supply at outlet. Correct if none.
operate.)	Poor plug contact at outlet.	Install plug properly or replace it.
	Bucket is full.	If Auto Shut Off lights, empty the bucket and replace properly.
	Humidity control is at Off position	Turn the humidity control switch toward Max.
	Wire disconnected or loose	Connect wire. Refer to wiring diagram for terminal identification. Repair or replace loose terminal.
	Capacitor. (Discharge capacitor before testing.)	Test capacitor. Replace if not within ±10% of manufacturer's rating. Replace if shorted, open, or damaged.
 Motor runs but compressor does not run. 	Voltage (115V ± 10%)	It must be between 103.5V and 126.5V. If not within limits, call an electrician
	Wiring	Check the wire connections; If loose, repair or replace the terminal. If the wires are disconnected, refer to wiring diagram for identification, and replace the wires. Check the wire connections; If not according to the wiring diagram, correct the connections.
	Rotary switch	Check for continuity, refer to the wiring diagram for terminal identification. Replace the switch if the circuit is open.
	Defrost control	The Defrost Control senses frost build-up on the evaporator coil and automatically shuts off the compressor. The fan continues to run, drawing air across the coil, and melting the frost. When the coil is defrosted, the compressor automatically restarts, and dehumidifying resumes.
	Capacitor (Discharge capacitor before servicing.)	Check the capacitor. Replace if not within ±10% of manufacturer's rating. Replace if shorted, open, or damaged.
	Compressor	Check the compressor for open circuit or ground. If open or grounded, replace the compressor.
	Overload protector (OLP)	Check the compressor OLP if externally mounted. Replace if open. (If the compressor temperature is high, remove OLP, cool, and retest.)
3. Does not defrost control.	Defrost control is defective.	Check defrost control, replace it.
4. Insufficient dehumidification	Low relative humidity	Turn dehumidifier off.
	Poor air circulation	Move dehumidifier to obtain free and unobstructed air circulation.
	H/E clogged with dust and dirt	Clean evaporator and/or condenser assembly
	Air filter is dirty.	Clean it.
	Motor is not operating.	Check Motor, repair or replace it.

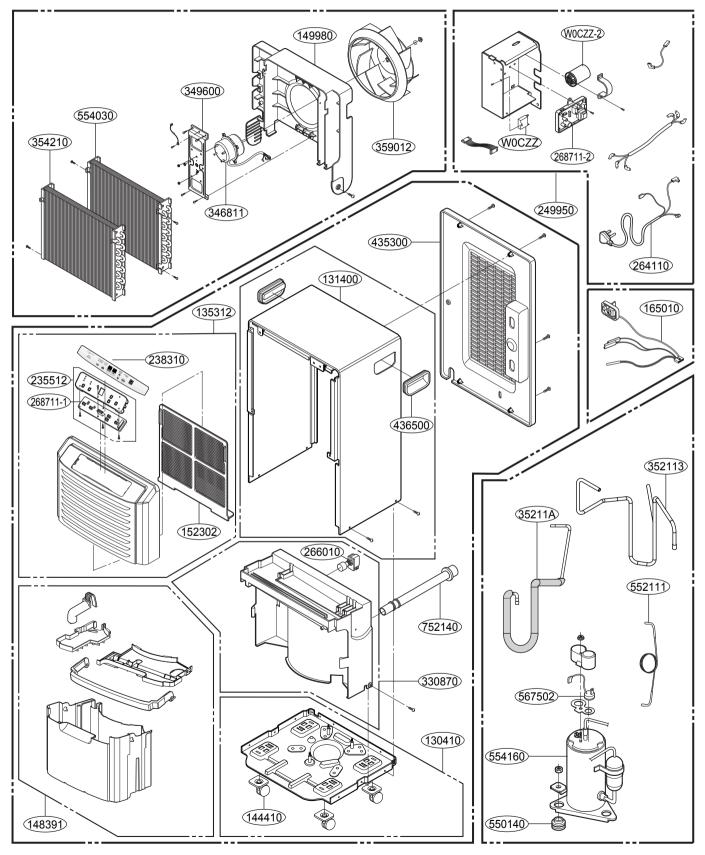
CONDITION	CAUSE	REMEDY
5. Noisy operating	Fan	If cracked, out of balance, or partially missing, replace it
	Loose foreign material inside the housing.	Remove it.
	Tube hits frame.	Adjust tubing routine carefully.
	Fan blade hits frame	Check Motor Mount. If loose, tighten it.
	Internal compressor noise.	Replace compressor.
	Loose set screws	Tighten them.
	Worn bearings of Motor Assembly	If knocking sounds continue when running or loose, replace the motor. If the motor hums or noise appears to be internal while running, replace motor assembly.
6. Water drips	The bucket is not installed properly.	The bucket should be properly positioned on the hangers of the drain pan.
	Connection may be loose.	Check connection and repair.
	Leak in bucket	Replace bucket.
	Water drips when bucket removed for emptying.	Before removing bucket, the unit should be turned off.
	Bucket overflows.	Check micro switch and float.
7. Compressor cycles on overload protector. (OLP)	High or low line voltage. (115V ± 10%)	Check line voltage. It must be between 103.5V and 126.5V volts. If intermittent, provide new supply.
	Poor air circulation.	Move dehumidifier for free and unobstructed air flow.
	Heat Exchange clogged with dust or dirt.	Clean dust or dirt on the Heat Exchange.
	Motor	If not running, determine the cause. Replace if required.
	Short circuit or ground in electrical circuit	Check electrical circuit. Repair.
	Unit pressures not equalized	Allow 2 or 3 minutes for pressure to equalize before starting compressor.
	Capacitor	Test the capacitor.
	Wiring	Check the terminals. If loose, repair or replace.
	Refrigeration system	Check the system for a restriction.
	Stuck compressor	Check compressor, replace compressor
	Overload protector (OLP)	Check OLP, if externally mounted. Replace if open. (If the compressor temperature is high, remove the OLP, cool, and retest.)

5. Exploded View

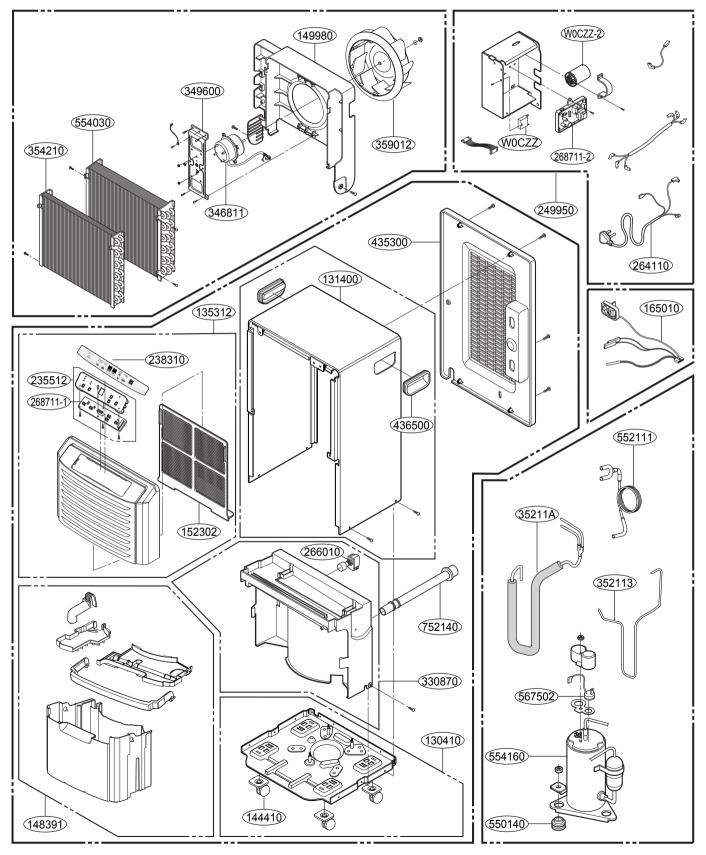
• MODEL:BHD-301-D



• MODEL:BHD-501-D



• MODEL:BHD-651-D



6. REPLACEMENT PARTS LIST

• MODEL: BHD-301-D

LOCATION No.	DESCRIPTION	PARTNO BHD-301-D	REMARK
130410	Base Assembly,Single	3041A10042E	R
144410	Roller	4441A30001B	R
149980	Shroud	4998A10034B	R
266010	Switch Assembly	6600A30003C	R
330870	Pan Assembly,Drain	3087A10019C	R
349600	Bracket,Motor	4960A20009B	R
550140	Washer,Customized	1WZZA31003A	R
554160	Compressor Set,China	TBZ31986001	R
567502	Overload Protect	EAF35787201	R
131400	Cabinet	3090A10042G	R
135312	Grille Assembly, Front	3531A18012R	R
148391	Tank Assembly,Bucket	4839A10002F	R
149410	Knob Assembly	4941A30019B	R
152302	Filter,Air	5230A20040A	R
165010	Sensor Assembly	6877A30013R	R
235512	Cover Assembly, Display	3551A20122A	R
238310	Escutcheon	MDD30271507	R
249950	Case Assembly,Control	4995A20359U	R
264110	Power Cord Assembly	6411A20001Z	R
266002	Switch,Rocker	6600FX5001G	R
266003	Switch Assembly	6601A30006A	R
268711-1	PCB Assembly,Display	6871A20289B	R
268711-2	PCB Assembly,Main	EBR39204301	R
346811	AC Motor	4681A20040Q	R
352113	Tube Assembly,Discharge	AJR35684801	R
35211A	Tube Assembly,Suction	AJR36226101	R
354210	Evaporator Assembly, First	5421A10009X	R
359012	Fan,Turbo	5900A20007B	R
435300	Grille,Rear	3530A10193E	R
436500	Handle	3650A20004D	R
552111	Tube Assembly,Capillary	AJR35685801	R
554030	Condenser Assembly,First	5403A10008W	R
752140	Connector,Hose	5214A20027B	R
W0CZZ-2	Capacitor,Film,Box	0CZZA20005J	R

• MODEL: BHD-501-D

LOCATION	DESCRIPTION	PART NO	REMARK
NO	DESCRIPTION	BHD-501-D	
130410	Base Assembly,Single	3041A10042A	R
131400	Cabinet	3090A10042G	R
135312	Grille Assembly,Front	AEB36976502	R
144410	Roller	4441A30001B	R
148391	Tank Assembly,Bucket	4839A10002F	R
149980	Shroud	4998A10034B	R
152302	Filter,Air	5230A20040A	R
165010	Sensor Assembly	6877A30013R	R
235512	Cover Assembly,Display	3551A20109C	R
238310	Escutcheon	MDD30271508	R
249950	Case Assembly,Control	ABQ36532606	R
264110	Power Cord Assembly	6411A20001Z	R
266010	Switch Assembly	6600A30003C	R
330870	Pan Assembly,Drain	3087A10019C	R
346811	Motor Assembly,AC	EAU32357501	R
349600	Bracket,Motor	4960A20009D	R
352113	Tube Assembly,Discharge	AJR36701401	R
354210	Evaporator Assembly,First	5421A10009Q	R
359012	Fan,Turbo	5900A20007B	R
435300	Grille,Rear	3530A10193E	R
436500	Handle	3650A20004D	R
550140	Damper,Compressor	4830A30005A	R
552111	Tube Assembly,Capillary	AJR32779301	R
554030	Condenser Assembly,First	5403A10008N	R
554160	Compressor Set,China	TBZ32067202	R
567502	Overload Protect	EAF43158802	R
752140	Connector,Hose	5214A20027B	R
268711-1	PCB Assembly,Display	6871A20600B	R
268711-2	PCB Assembly,Main	EBR36909301	R
35211A	Tube Assembly,Suction	5211A38801C	R
W0CZZ	Capacitor,Film,Box	0CZZA20005N	R
W0CZZ-2	Capacitor,Film,Box	3H00660V	R

• MODEL: BHD-651-D

LOCATION	DESCRIPTION	PART NO	REMARK
No.	2200100 11010	BHD-651-D	
130410	Base Assembly,Single	3041A10042A	R
131400	Cabinet	3090A10042G	R
135312	Grille Assembly, Front	AEB36976502	R
144410	Roller	4441A30001B	R
148391	Tank Assembly,Bucket	4839A10002F	R
149980	Shroud	4998A10034C	R
152302	Filter,Air	5230A20040A	R
165010	Sensor Assembly	6877A30013R	R
235512	Cover Assembly, Display	3551A20109C	R
238310	Escutcheon	MDD30271508	R
249950	Case Assembly,Control	ABQ36532603	R
264110	Power Cord Assembly	6411A20001Z	R
266010	Switch Assembly	6600A30003C	R
330870	Pan Assembly,Drain	3087A10019E	R
346811	Motor Assembly,AC	EAU32357504	R
349600	Bracket,Motor	4960A20009D	R
352113	Tube Assembly,Discharge	AJR36966901	R
354210	Evaporator Assembly, First	ADL36964801	R
359012	Fan,Turbo	MDG41709701	R
435300	Grille,Rear	3530A10193E	R
436500	Handle	3650A20004D	R
550140	Damper,Compressor	4830A30005A	R
552111	Tube Assembly,Capillary	AJR36953601	R
554030	Condenser Assembly,First	5403A20114H	R
554160	Compressor Set,China	TBZ31951701	R
567502	Overload Protect	6750U-L048A	R
268711-1	PCB Assembly,Display	6871A20600B	R
268711-2	PCB Assembly,Main	EBR36909303	R
35211A	Tube Assembly,Suction	5211A10454B	R
W0CZZ	Capacitor,Film,Box	0CZZA20005J	R
W0CZZ-2	Capacitor,Film,Box	3H00660V	R

MEMO

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P/No.: MFL38891301

HEAT CONTROLLER, INC.

Specifications and performance data subject to change without notice.

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